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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	4	AUG 13	CA/Capplus enhanced with additional kind codes for granted patents
NEWS	5	AUG 20	CA/Capplus enhanced with CAS indexing in pre-1907 records
NEWS	6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	7	AUG 27	USPATOLD now available on STN
NEWS	8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	10	SEP 13	FORIS renamed to SOFIS
NEWS	11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	12	SEP 17	CA/Capplus enhanced with printed CA page images from 1967-1998
NEWS	13	SEP 17	Capplus coverage extended to include traditional medicine patents
NEWS	14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	15	OCT 02	CA/Capplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	16	OCT 19	BEILSTEIN updated with new compounds
NEWS	17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	18	NOV 19	WPIX enhanced with XML display format
NEWS	19	NOV 30	ICSD reloaded with enhancements
NEWS	20	DEC 04	LINPADOCDB now available on STN
NEWS	21	DEC 14	BEILSTEIN pricing structure to change
NEWS	22	DEC 17	USPATOLD added to additional database clusters
NEWS	23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	24	DEC 17	DGENE now includes more than 10 million sequences
NEWS	25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	27	DEC 17	CA/Capplus enhanced with new custom IPC display formats
NEWS	28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	29	JAN 02	STN pricing information for 2008 now available
NEWS EXPRESS	19	SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:04:18 ON 10 JAN 2008

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:04:27 ON 10 JAN 2008

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 JAN 2008 HIGHEST RN 960198-43-0

DICTIONARY FILE UPDATES: 8 JAN 2008 HIGHEST RN 960198-43-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

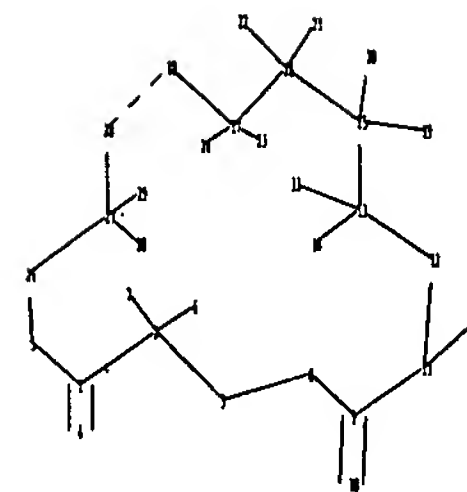
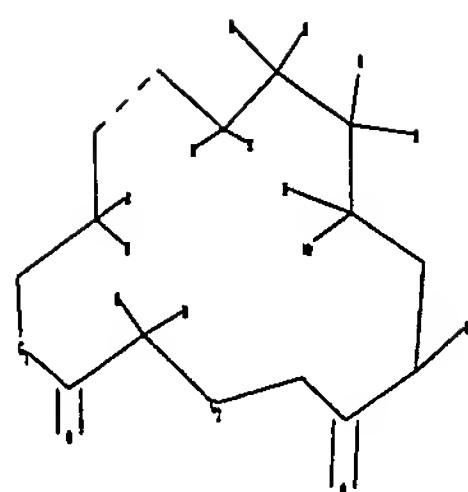
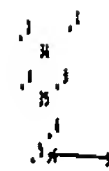
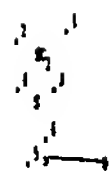
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10580992.str



chain nodes :

4 6 7 10 14 19 20 21 22 23 24 29 30 31 33 34 35 36 37

ring nodes :

1 2 3 5 8 9 11 12 13 15 16 17 18 26 27 28

chain bonds :

1-4 2-6 2-7 9-10 11-31 13-14 13-33 15-19 15-20 16-21 16-22 17-23 17-24  
27-29 27-30 36-37

ring bonds :

1-2 1-5 2-3 3-8 5-26 8-9 9-11 11-12 12-13 13-15 15-16 16-17 17-18  
18-28 26-27 27-28

exact/norm bonds :

1-2 1-4 1-5 2-3 2-6 2-7 3-8 5-26 8-9 9-10 9-11 11-12 11-31 12-13  
13-14 13-15 13-33 15-16 15-19 15-20 16-17 16-21 16-22 17-18 17-23 17-24  
18-28 26-27 27-28 27-29 27-30 36-37

G1:O,N

G2:[\*1-\*2],[\*3-\*4],[\*5-\*6]

Match level :

1:Atom 2:Atom 3:Atom 4:CLASS 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:CLASS  
11:Atom 12:Atom 13:Atom 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS  
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 26:Atom 27:Atom 28:Atom  
29:CLASS 30:CLASS 31:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:05:33 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1075 TO ITERATE

100.0% PROCESSED 1075 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 19533 TO 23467

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 15:05:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 22520 TO ITERATE

100.0% PROCESSED 22520 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.82

179.03

FILE 'CAPLUS' ENTERED AT 15:05:43 ON 10 JAN 2008

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FILE COVERS 1907 - 10 Jan 2008 VOL 148 ISS 2  
FILE LAST UPDATED: 9 Jan 2008 (20080109/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

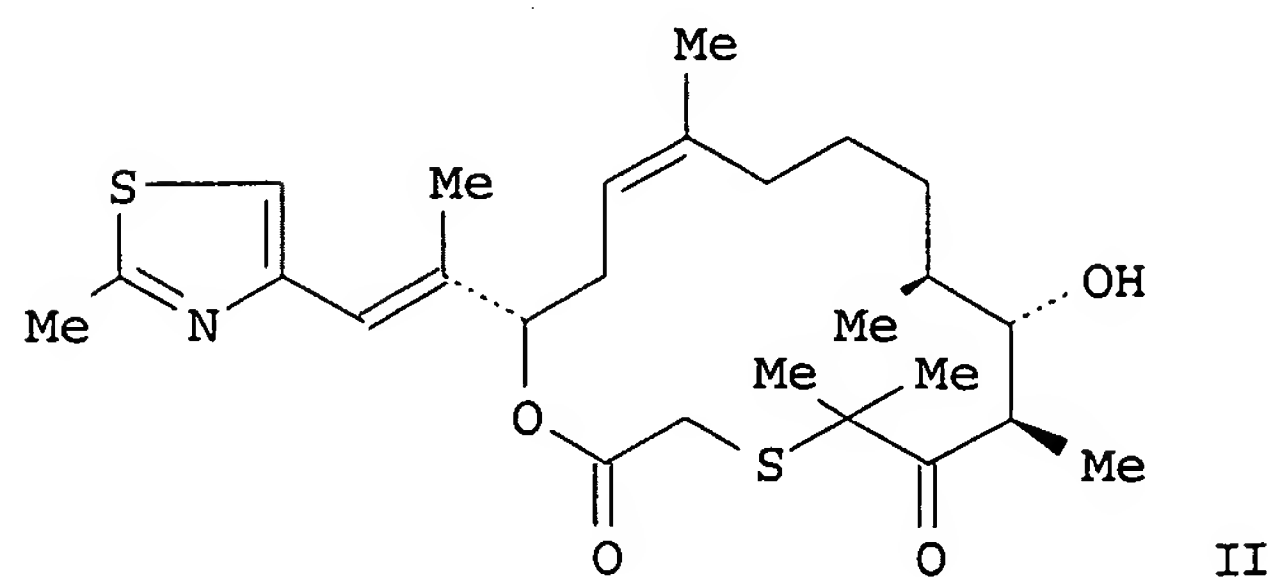
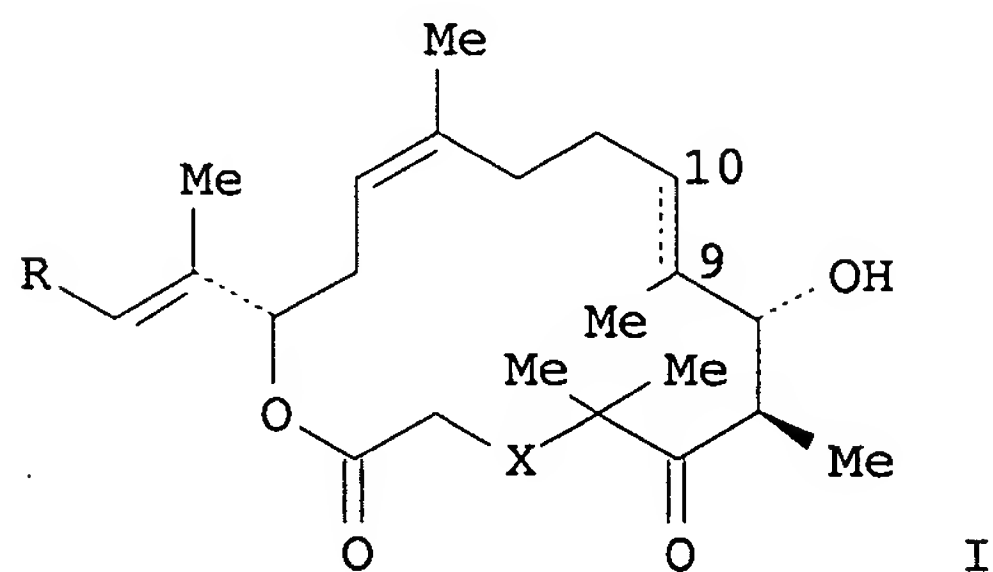
=> s l3 full

L4 1 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:493605 CAPLUS  
 DOCUMENT NUMBER: 143:26422  
 TITLE: Preparation of macrocyclic thiaepothilones for treating cancer  
 INVENTOR(S): Wessjohann, Ludger A.; Eichelberger, Uwe; Thi Phuong, Thao Tran  
 PATENT ASSIGNEE(S): Leibniz-Institut fuer Pflanzenbiochemie IPB, Germany  
 SOURCE: PCT Int. Appl., 42 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005051947	A1	20050609	WO 2004-EP13451	20041126
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10355223	A1	20050630	DE 2003-10355223	20031126
EP 1687301	A1	20060809	EP 2004-798099	20041126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
US 2007105905	A1	20070510	US 2005-580992	20050526
PRIORITY APPLN. INFO.:			DE 2003-10355223	A 20031126
			WO 2004-EP13451	W 20041126
OTHER SOURCE(S):			MARPAT 143:26422	
GI				



AB Thiaepothilone macrolides, such as I [R = heteroaryl, such as 2-methyl-4-thiazolyl, 2-methyl-4-oxazolyl or 6-methyl-2-pyridinylmethyl; X = S, SO, SO<sub>2</sub>; 9,10-bond = single or double], were prepared for therapeutic use and antitumor agents. Thus, thiaepothilone macrolide II was prepared via a multistep macrocyclization sequence starting from Me<sub>2</sub>CHCOCH<sub>2</sub>Me, HSCH<sub>2</sub>CO<sub>2</sub>Et, (BrCH<sub>2</sub>)<sub>2</sub>CO, neryl bromide and tributyl[(2-methyl-4-thiazolyl)methyl]phosphonium chloride. The prepared thiaepothilones were assayed for their effect on cell proliferation of MCF7, L929 and A549 cancer cell lines.

IT 853023-23-1P

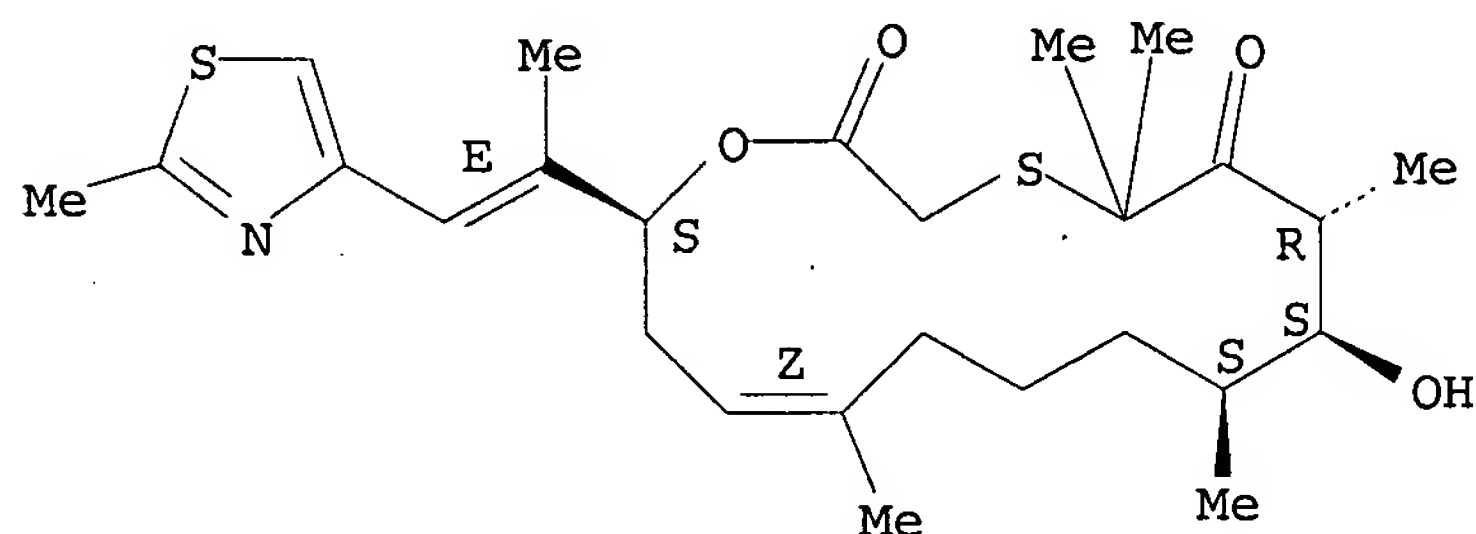
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of macrocyclic thiaepothilones for treating cancer)

RN 853023-23-1 CAPLUS

CN 1-Oxa-4-thiacyclohexadec-13-ene-2,6-dione, 8-hydroxy-5,5,7,9,13-pentamethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, (7R,8S,9S,13Z,16S)- (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry as shown.



IT 853023-24-2P 853023-26-4P

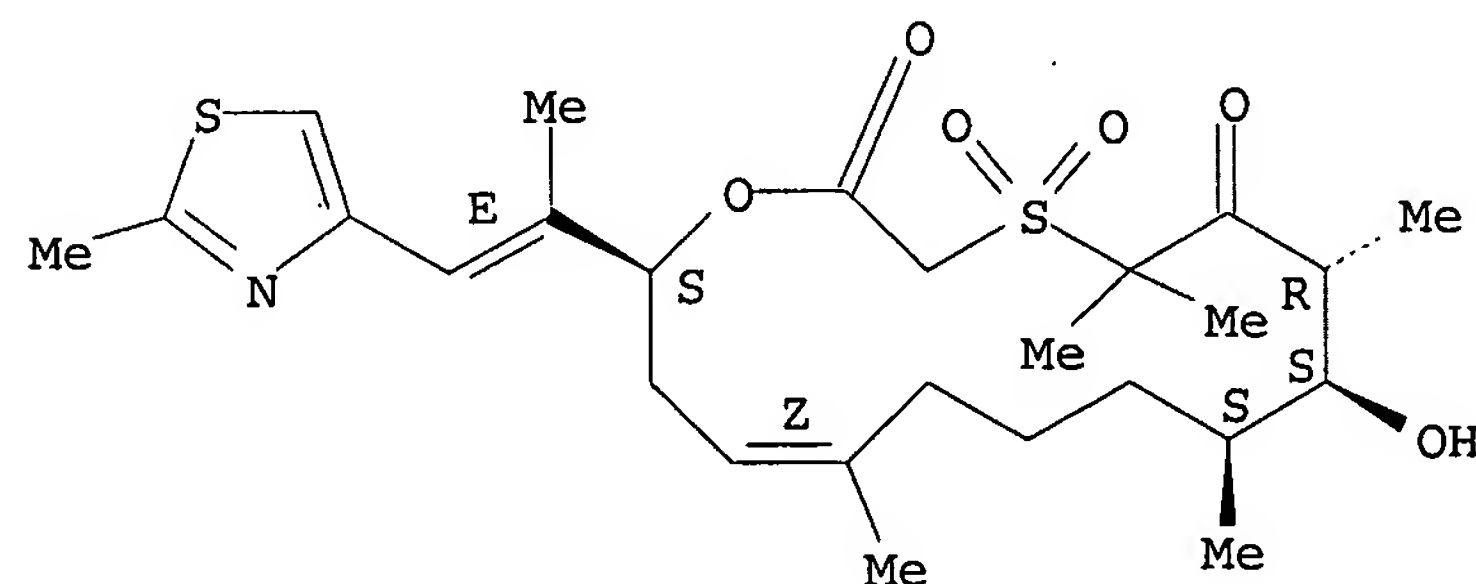
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of macrocyclic thiaepothilones for treating cancer)

RN 853023-24-2 CAPLUS

CN 1-Oxa-4-thiacyclohexadec-13-ene-2,6-dione, 8-hydroxy-5,5,7,9,13-pentamethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, 4,4-dioxide, (7R,8S,9S,13Z,16S)- (CA INDEX NAME)

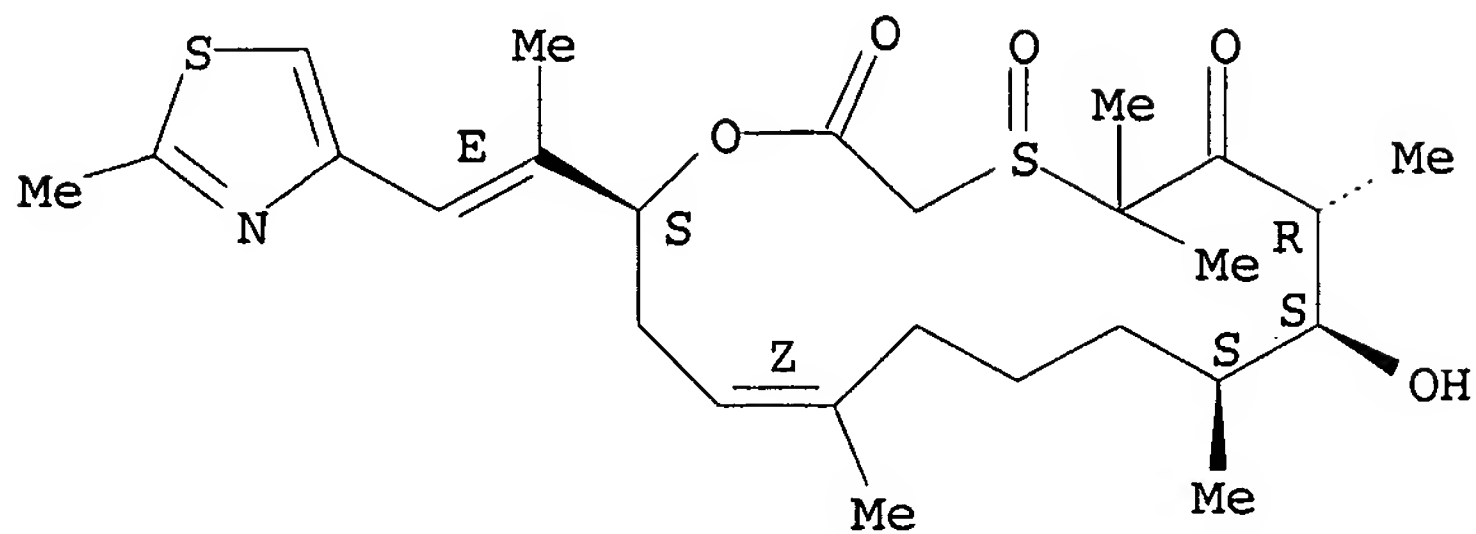
Absolute stereochemistry.  
Double bond geometry as shown.



RN 853023-26-4 CAPLUS

CN 1-Oxa-4-thiacyclohexadec-13-ene-2,6-dione, 8-hydroxy-5,5,7,9,13-pentamethyl-16-[(1E)-1-methyl-2-(2-methyl-4-thiazolyl)ethenyl]-, 4-oxide, (7R,8S,9S,13Z,16S)- (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry as shown.



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



=> log y

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY  
5.93

TOTAL  
SESSION  
184.96

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
ENTRY  
-0.80

TOTAL  
SESSION  
-0.80

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STN INTERNATIONAL LOGOFF AT 15:06:06 ON 10 JAN 2008

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	177	(540/455,540/454,514/431,514/450,514/456).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/10 15:23
L2	0	l1 and macrocycl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/10 15:24
L3	27	l1 and hetero	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/10 15:25